APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/844,565	04/27/2001	Kazuo Okamoto	8861-409US (P25560-01)	1788

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AKIN GUMP STRAUSS HAUER & FELD L.L.P.
ONE COMMERCE SQUARE
2005 MARKET STREET, SUITE 2200
PHILADELPHIA, PA 19103

EXAMINER
VO, TUNG T

ART UNIT	PAPER NUMBER
2621	

DATE MAILED: 05/08/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Supplemental	09/844,565	OKAMOTO ET AL.
Notice of Allowability	Examiner	Art Unit	
	Tung Vo	2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the interviews on 04/13/2006 and 04/16/2006.*

2. ☒ The allowed claim(s) is/are *1-24*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

LOUIS SICKEL II, Reg. 45,803, on April 26, 2006.

The application has been amended as follows:

In the claim

Claim 7, lines 3-4, after "a first terminal apparatus," delete "including a central

processing unit and a transmission apparatus for video information according to claim 1" and

insert-- said first terminal apparatus comprising:

an input part for inputting video information transmitted by a central

processing unit;

a level information generation part for generating level information of

each pixel on a screen based on at least said video information;

a memory part for storing the level information of each pixel in the entire

region of the screen:

a region extraction part for extracting a changed region which is a region

on the screen including pixels related to said video information;

an update region level information generation part for generating level

information of each pixel in said changed region based on, at least, either the level

information of each pixel generated by said level information generation part or

the level information of each pixel stored in said memory part;

a compression part for compressing the information amount of level

information of each pixel in said changed region;

a communication part for transmitting position information of said

changed region and said compressed level information;--;

line 5, after " a second terminal apparatus," delete "which is a terminal apparatus

according to claim 19" and insert – comprising:

a communication part for receiving position information of a changed

region and compressed level information of each pixel in said changed region;

an expansion part for expanding said compressed level information and

outputting level information of each pixel in said changed region;

a memory part for storing level information of each pixel in the entire

region of the screen and for storing the level information of each pixel outputted

by said expansion part in accordance with the position information of said

changed region ; and

a display part for displaying a screen in accordance with the level

information of each pixel stored in said memory part.--.

Claim 8, lines 3-4, after "a first terminal apparatus," delete "including a central

processing unit and a transmission apparatus for video information according to claim 2" and

insert-- , comprising:

an input part for inputting video information transmitted by a central

processing unit;

a level information generation part for generating level information of

each pixel on a screen based on at least said video information;

a memory part for storing the level information of each pixel in the entire

region of the screen:

a region extraction part for extracting a changed region which is a region

on the screen including pixels related to said video information;

an update region level information generation part for generating level

information of each pixel in said changed region based on, at least, either the level information of

each pixel generated by said level information generation part or the level information of each

pixel stored in said memory part;

a compression part for compressing the information amount of level

information of each pixel in said changed region;

a communication part for transmitting position information of said

changed region and said compressed level information, wherein

said update region level information generation part generates differential

information of the level information of each pixel in said changed region extracted based on, at

least, the level information of each pixel generated by said level information generation part and

the level information of each pixel stored in said memory part and said compression part

compresses the differential information; and --;

line 5, after " a second terminal apparatus," delete "which is a terminal apparatus

according to claim 20" and insert – comprising:

a communication part for receiving position information of a changed region and compressed level information of each pixel in said changed region;

an expansion part for expanding said compressed level information and outputting level information of each pixel in said changed region ;

a memory part for storing level information of each pixel in the entire region of the screen and for storing the level information of each pixel outputted by said expansion part in accordance with the position information of said changed region;

a display part for displaying a screen in accordance with the level information of each pixel stored in said memory part;

a level information updating part for updating the level information of each pixel stored in said memory part; characterized in that

the communication part receives compressed differential information which is a compressed difference of the level information of each pixel in said changed region;

the expansion part expands said compressed differential information and generates differential information of the level information of each pixel in said changed region; and

the level information updating part updates the level information of each pixel stored in said memory part based on the position information of the changed region received by said communication part, the differential information of the level information of each pixel generated by said expansion part and the level information of each pixel stored in said memory part, wherein said update region level information generation part generates differential information of the level information of each pixel in said changed region extracted, based on, at least, the level

information of each pixel generated by said level information generation part and the level

information of each pixel stored in said memory part, and said compression part compresses the

differential information.--.

Claim 16, lines 1-4, after "A transmission method for video in formation" delete

"characterized by having:

each step of the transmission method for video information according to claim 10;

and each step of the transmission method for video information according to claim 22."

and insert -- inputting video information transmitted by a central processing unit;

generating level information of each pixel on a screen based on, at least, said

video information;

storing said level information of each pixel in a memory part;

extracting a changed region which is a region of the screen including pixels

related to said video information;

generating level information of each pixel in said changed region of the screen

based on. at least, either the level information of each pixel generated in said level information

generation step or the level information of each pixel stored in said memory step;

compressing the information amount of the level information of each pixel in said

changed region; and

transmitting position information of said changed region and said compressed

level information

receiving position information of said changed region and compressed level

information of each pixel in said changed region;

expanding said compressed level information and outputting level information of

each pixel in said changed region;

storing the level information of each pixel outputted in said expansion step in a

memory part in accordance with the position information of said changed region; and

displaying a screen in accordance with the level information of each pixel stored

in said memory part.--.

Claim 17, lines 1-4, after "A transmission method for video in formation" delete

"characterized by having:

each step of the transmission method for video information according to claim 11; and

each step of the transmission method for video information according to claim 23" and insert --

inputting video information transmitted by a central processing unit;

generating level information of each pixel on a screen based on, at least, said

video information;

storing said level information of each pixel in a memory part;

extracting a changed region which is a region of the screen including pixels

related to said video information;

generating level information of each pixel in said changed region of the screen

based on. at least, either the level information of each pixel generated in said level information

generation step or the level information of each pixel stored in said memory step;

compressing the information amount of the level information of each pixel in said

changed region; and

transmitting position information of said changed region and said compressed

level information, wherein

the update region level information generation step generates differential

information of level information of each pixel in said changed region extracted based on, the

level information of each pixel generated in said level information generation step and the level

information of each pixel stored in a memory and the compression step compresses the

differential information, the method further including;

a communication step for receiving position information of a changed region and

compressed level information of each pixel in said changed region

an expansion step for expanding said compressed level information and outputting

level information of each pixel in said changed region;

a memory step for storing the level information of each pixel outputted in said

expansion step in a memory part in accordance with the position information of said changed

region;

a display step for displaying a screen in accordance with the level information of

each pixel stored in said memory part;

a level information updating step for updating level information of each pixel

stored in a memory part, characterized in that the a communication step receives compressed

differential information which is a compressed difference of the level information of each pixel

in said changed region, wherein

the expansion step expands said compressed differential information and

generating differential information of the level information of each pixel in said changed region,

and

the level information updating step updates level information of each pixel stored in a memory

part based on the position information of the changed region received in said communication

step, the differential information of the level information of each pixel generated in said

expansion step and the level information of each pixel stored in said memory step wherein the

update region level information generation step generates differential information of level

information of each pixel in said changed region extracted, based on, the level information of

each pixel generated in said level information generation step and the level information of each

pixel stored in a memory, and the compression step compresses the differential information. --.

2.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Tung Vo whose telephone number is 571-272-7340. The

examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Mehrdad Dastouri can be reached on 571-272-7418. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tung Vo
Primary Examiner
Art Unit 2621